



Design Criteria for Headphones

Jensen, Clemen Boje; Hammershøi, Dorte; Larsen, Kim Alan; Møller, Henrik

Published in:
94th Audio Engineering Society Convention (AES), Berlin, March 16-19, 1993

Publication date:
1993

[Link to publication from Aalborg University](#)

Citation for published version (APA):
Jensen, C. B., Hammershøi, D., Larsen, K. A., & Møller, H. (1993). Design Criteria for Headphones. In *94th Audio Engineering Society Convention (AES), Berlin, March 16-19, 1993*

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Clemen Boje Jensen, Dorte Hammershøi, Henrik Møller, Kim Alan Larsen

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94th Audio Engineering Society Convention, Berlin, March 16-19, 1993. Abstract in Journal of the Audio Engineering Society, Vol. 41, No. 5, May 1993, p. 392 (paper C2-1)

6:30 pm

C2-1 Design Criteria for Headphones—*Clemen Boje Jensen, Dorte Hammershoi, Henrik Møller, and Kim Alan Larsen, University of Aalborg, Aalborg, Denmark*

Measurements at the eardrums of real listeners are difficult to carry out, and it is shown that they can be replaced by measurements at the input to the ear canal. Design goals for the frequency response measured at this point are given for simulated frontal sound incidence (free-field calibration) and for simulated random sound incidence (diffuse-field calibration). The advantage of open headphones is emphasized.

No Preprint Available

J. Audio Eng. Soc., Vol. 41, No. 5, 1993 May